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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/690,456	10/22/2003	Horia Giuroiu	OK1.594	4847
20987	7590	01/19/2005	EXAMINER	
VOLENTINE FRANCOS, & WHITT PLLC ONE FREEDOM SQUARE 11951 FREEDOM DRIVE SUITE 1260 RESTON, VA 20190			MUNSON, GENE M	
			ART UNIT	PAPER NUMBER
			2811	

DATE MAILED: 01/19/2005

Please find below and/or attached an Office communication concerning this application or proceeding.

Office Action Summary

Application No.

10/690,456

Applicant(s)

H. GIUROIU ET AL

Examiner

G. MUNSON

Group Art Unit

2811

— The MAILING DATE of this communication appears on the cover sheet beneath the correspondence address—

Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE THREE MONTH(S) FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If the period for reply specified above is less than thirty (30) days, a reply within the statutory minimum of thirty (30) days will be considered timely.
- If NO period for reply is specified above, such period shall, by default, expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133).
- Any reply received by the Office later than three months after the mailing date of this communication, even if timely, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

Status

- ☒ Responsive to communication(s) filed on 19 March 2004
- ☐ This action is **FINAL**.
- ☐ Since this application is in condition for allowance except for formal matters, **prosecution as to the merits is closed** in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 1 1; 453 O.G. 213.

Disposition of Claims

- ☒ Claim(s) 19-41 is/are pending in the application.
- Of the above claim(s) _____ is/are withdrawn from consideration.
- ☒ Claim(s) 19, 24-29, 30, 35-39, 41 is/are allowed.
- ☒ Claim(s) 20-23, 31-34, 40 is/are rejected.
- ☐ Claim(s) _____ is/are objected to.
- ☐ Claim(s) _____ are subject to restriction or election requirement

Application Papers

- ☐ The proposed drawing correction, filed on _____ is ☐ approved ☐ disapproved.
- ☒ The drawing(s) filed on 10/22/2003 is/are objected to by the Examiner
- ☒ The specification is objected to by the Examiner.
- ☐ The oath or declaration is objected to by the Examiner.

Priority under 35 U.S.C. § 119 (a)-(d)

- ☐ Acknowledgement is made of a claim for foreign priority under 35 U.S.C. § 119 (a)-(d).
- ☐ All ☐ Some* ☐ None of the:
- ☐ Certified copies of the priority documents have been received.
- ☐ Certified copies of the priority documents have been received in Application No. _____
- ☐ Copies of the certified copies of the priority documents have been received
- in this national stage application from the International Bureau (PCT Rule 17.2(a))

*Certified copies not received: _____

Attachment(s)

- ☐ Information Disclosure Statement(s), PTO-1449, Paper No(s). _____ ☐ Interview Summary, PTO-413
- ☒ Notice of Reference(s) Cited, PTO-892 ☐ Notice of Informal Patent Application, PTO-152
- ☐ Notice of Draftsperson's Patent Drawing Review, PTO-948 ☐ Other _____

Office Action Summary


The specification is objected to under 35 USC 112, first paragraph, and 37 CFR 1.171. In Figures 4, 5, 8 and 10, labels are missing, e.g., "571", "561" in Figure 5, "T1" "T4" in Figure 8, "F" in Figure 10. See pages 2, 3, 7 and 11-13. In Figure 5, the leadline from label "520" appears short. In Figure 6, the interconnections discussed on page 8 are unclear. In Figure 7, the discussions on page 10 about connections and breaks are unclear. New formal drawings are required.

Claims 20-23, 31-34 and 40 are rejected under 35 USC 112, first paragraph. In claims 20, 23, 31 and 34, the bottom conductive pattern formed on the semiconductor substrate is not clearly described in the specification with respect to the figures. In response, applicants should read these claims on Figure 5 or other appropriate figure. In claims 21, 22, 32 and 33, the "oxide layer" is not clearly described in the specification, pages 6-7. In claim 40, the "dummy plate sections" are not clearly shown in Figure 10.

Claims 21, 22, 32 and 33 are rejected under 35 USC 112, second paragraph, claims 21 and 22 are inconsistent with claim 20; claims 32 and 33 are inconsistent with claim 31.

Ting is cited of interest in showing use of a capacitor array.

Claims 19, 24-29, 30, 35-39 and 41 are allowed over the art of record.



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01/05/05